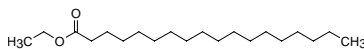


# ethyl stearate

## エチル ステアレート

Formula C<sub>20</sub>H<sub>40</sub>O<sub>2</sub>



Mol. Wt. 312.53

CAS No. 111-61-5

SEQ No. 877 エステル類

FEMA No. 3490

JECFA No. 40

	JFFMA	JECFA	FCC
Chemical name	ethyl stearate	Ethyl octadecanoate	
Content (NLT)	97.0 % (GC)	89 %	
Refractive index		1.420–1.440 (n <sub>20D</sub> )	
Specific gravity		0.880–0.900 (d <sub>25</sub> /25)	
Acid value (NMT)	1.0	1.0	
Melting/Congeealing point	MP: 30 to 39°C	MP: 33 to 38°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		min. 96% ethyl esters of octadecanoate, palmitic and other fatty acids	
Identification*	IR :1,3,6 MS :3,4,5 NMR :3	IR	

### \*References

- 1: Joint FAO/WHO Expert Committee on Food Additive (JECFA)
- 2: Food Chemicals Codex (FCC)
- 3: 有機化合物のスペクトルデータベース SDBS(独立行政法人産業技術総合研究所)
- 4: Wiley's Registry of Mass spectral Database
- 5: NIST/EPA/NIH Mass Spectral Library
- 6: Sigma-Aldrich